

## OCCUPATIONAL AND RECREATIONAL QUESTIONNAIRE

ID No.				-				
Form Type	O	R	0	1				

1. SUBJECT'S INITIALS: \_\_\_\_\_

See Form 10 for Date of Interview  
and Reference Dates

2. DATE OF INTERVIEW: \_\_\_\_\_

\_\_\_\_ Month \_\_\_\_ Day \_\_\_\_ Year

A. REFERENCE DATE:  
(COMPLETE PRIOR TO  
INTERVIEW)

\_\_\_\_ Month \_\_\_\_ Day \_\_\_\_ Year

B. REFERENCE PERIOD:  
(COMPLETE PRIOR TO  
INTERVIEW)

(1) \_\_\_\_ Month \_\_\_\_ Day \_\_\_\_ Year

to

(2) \_\_\_\_ Month \_\_\_\_ Day \_\_\_\_ Year

3. WAS PARTICIPANT UNEMPLOYED WITH NO WORK  
EXPERIENCE OR DISABLED WITHOUT PREVIOUS  
WORK EXPERIENCE? (SEE FORM 11, QUESTION 3.)

Yes No  
(1) (2)

unemploy

IF YES, GO TO QUESTION 80.  
IF NO, CONTINUE WITH SCRIPT.

### ACTIVITIES ON THE JOB

Now I would like to ask you some questions about specific job related activities. I will read slowly from a long list and ask you whether you have **ever** had a job — even if the job lasted less than six months and was before [reference period] — that involved any of the following activities. Please tell me if you have worked in any of them and if you worked on the job for more or less than one year. I will also be asking if the activity occurred during the reference period. As you think about this, please feel free to use the anchor dates we discussed to help you determine if the activity was near one of the special dates.

USE THE ANCHOR DATES TO ESTABLISH IF THE EVENT HAPPENED IN THE REFERENCE PERIOD. IF PARTICIPANT ANSWERS “NEVER”, GO TO THE NEXT ACTIVITY.

ASK EACH ACTIVITY IN TURN AND PAUSE BRIEFLY. FOR EACH ACTIVITY, IF PATIENT DOESN'T ANSWER, CHECK NEVER AND GO TO THE NEXT ACTIVITY.

		A			B	
		<u>Employment</u>			<u>More Than One Year</u>	
		Never	Ended Job Before Reference Period	Current Employment or Ended in the Reference Period	Yes	No
4.	Aircraft manufacturing	( 1 )	jobacm ( 2 )	( 3 )	mt1acm ( 1 )	( 2 )
5.	U.S. Army	( 1 )	jobusa ( 2 )	( 3 )	mt1usa ( 1 )	( 2 )
6.	U.S. Navy	( 1 )	jobusn ( 2 )	( 3 )	mt1usn ( 1 )	( 2 )
7.	U.S. Air Force	( 1 )	jobusaf ( 2 )	( 3 )	mt1usaf ( 1 )	( 2 )
8.	U.S. Marines	( 1 )	jobusm ( 2 )	( 3 )	mt1usm ( 1 )	( 2 )
9.	Other branch of armed forces	( 1 )	jobobaf ( 2 )	( 3 )	mt1obaf ( 1 )	( 2 )
10.	Nuclear worker	( 1 )	jobnw ( 2 )	( 3 )	mt1nw ( 1 )	( 2 )
11.	Animal laboratory worker	( 1 )	jobalw ( 2 )	( 3 )	mt1alw ( 1 )	( 2 )
12.	Assembling or fabricating	( 1 )	jobaof ( 2 )	( 3 )	mt1aof ( 1 )	( 2 )
13.	Auto or truck repair	( 1 )	jobaotr ( 2 )	( 3 )	mt1aotr ( 1 )	( 2 )
14.	Automotive manufacturing	( 1 )	jobam ( 2 )	( 3 )	mt1am ( 1 )	( 2 )
15.	Bank teller	( 1 )	jobbt ( 2 )	( 3 )	mt1bt ( 1 )	( 2 )
16.	Raising birds	( 1 )	jobrb ( 2 )	( 3 )	mt1rb ( 1 )	( 2 )
17.	Carpentry or woodworking	( 1 )	jobcoww ( 2 )	( 3 )	mt1coww ( 1 )	( 2 )
18.	Cashier	( 1 )	jobcash ( 2 )	( 3 )	mt1cash ( 1 )	( 2 )
19.	Child care worker (i.e., children under the age of 18)	( 1 )	jobccw ( 2 )	( 3 )	mt1ccw ( 1 )	( 2 )
20.	Cleaning private household, domestic worker (Do not include cleaning your own house.)	( 1 )	jobcph ( 2 )	( 3 )	mt1cph ( 1 )	( 2 )
21.	Clerical or office work	( 1 )	jobcoow ( 2 )	( 3 )	mt1coow ( 1 )	( 2 )
22.	Construction	( 1 )	jobconst ( 2 )	( 3 )	mt1const ( 1 )	( 2 )

		<b>A</b>			<b>B</b>	
		<u>Employment</u>			<u>More Than One Year</u>	
		Never	Ended Job Before Reference Period	Current Employment or Ended in the Reference Period	Yes	No
			<b>jobiacf</b>		<b>mt1iacf</b>	
23.	In a cork factory	( 1 )	( 2 )	( 3 )	( 1 )	( 2 )
			<b>jobdob</b>		<b>mt1dob</b>	
24.	Demolition of buildings	( 1 )	( 2 )	( 3 )	( 1 )	( 2 )
			<b>jobcgc</b>		<b>mt1cgc</b>	
25.	Cotton ginning	( 1 )	( 2 )	( 3 )	( 1 )	( 2 )
			<b>jobtmogi</b>		<b>mt1tmogi</b>	
26.	Textile making or garment industry	( 1 )	( 2 )	( 3 )	( 1 )	( 2 )
			<b>jobdptcp</b>		<b>mt1dptcp</b>	
27.	Data processor, typist; computer programmer	( 1 )	( 2 )	( 3 )	( 1 )	( 2 )
			<b>jobeoew</b>		<b>mt1eoew</b>	
28.	Electrical or electronic worker	( 1 )	( 2 )	( 3 )	( 1 )	( 2 )
			<b>jobfrfl</b>		<b>mt1frfl</b>	
29.	Farming, ranching, farm laborer (wage laborer)	( 1 )	( 2 )	( 3 )	( 1 )	( 2 )
			<b>jobff</b>		<b>mt1ff</b>	
30.	Fire fighter	( 1 )	( 2 )	( 3 )	( 1 )	( 2 )
			<b>jobfa</b>		<b>mt1fa</b>	
31.	Flight attendant	( 1 )	( 2 )	( 3 )	( 1 )	( 2 )
			<b>jobfw</b>		<b>mt1fw</b>	
32.	Forestry work	( 1 )	( 2 )	( 3 )	( 1 )	( 2 )
			<b>jobias</b>		<b>mt1ias</b>	
33.	In a sawmill	( 1 )	( 2 )	( 3 )	( 1 )	( 2 )
			<b>jobiap</b>		<b>mt1iap</b>	
34.	In a pulpmill	( 1 )	( 2 )	( 3 )	( 1 )	( 2 )
			<b>jobgm</b>		<b>mt1gm</b>	
35.	Glass making	( 1 )	( 2 )	( 3 )	( 1 )	( 2 )
			<b>jobhoc</b>		<b>mt1hoc</b>	
36.	Hairdressing or cosmetology	( 1 )	( 2 )	( 3 )	( 1 )	( 2 )
			<b>jobhp</b>		<b>mt1hp</b>	
37.	House painting	( 1 )	( 2 )	( 3 )	( 1 )	( 2 )
			<b>jobcp</b>		<b>mt1cp</b>	
38.	Commercial printing	( 1 )	( 2 )	( 3 )	( 1 )	( 2 )
			<b>jobjm</b>		<b>mt1jm</b>	
39.	Jewelry making	( 1 )	( 2 )	( 3 )	( 1 )	( 2 )
			<b>jobladc</b>		<b>mt1ladc</b>	
40.	Laundry and dry cleaning	( 1 )	( 2 )	( 3 )	( 1 )	( 2 )
			<b>jobmoaoi</b>		<b>mt1moaoi</b>	
41.	Machine operator, assembler or inspector	( 1 )	( 2 )	( 3 )	( 1 )	( 2 )

		<b>A</b>			<b>B</b>	
		<u>Employment</u>			<u>More Than One Year</u>	
		Never	Ended Job Before Reference Period	Current Employment or Ended in the Reference Period	Yes	No
42.	Meat packing	( 1 )	jobmp ( 2 )	( 3 )	mt1mp ( 1 )	( 2 )
43.	Meat wrapping	( 1 )	jobmw ( 2 )	( 3 )	mt1mw ( 1 )	( 2 )
44.	Any type of mining	( 1 )	jobatom ( 2 )	( 3 )	mt1atom ( 1 )	( 2 )
45.	In a nursing home or long-term care facility	( 1 )	jobianh ( 2 )	( 3 )	mt1ianh ( 1 )	( 2 )
46.	Nurses' aide	( 1 )	jobna ( 2 )	( 3 )	mt1na ( 1 )	( 2 )
47.	Registered nurse or licensed practical nurse	( 1 )	jobrnlpn ( 2 )	( 3 )	mt1nlpn ( 1 )	( 2 )
48.	Hospital worker	( 1 )	jobhw ( 2 )	( 3 )	mt1hw ( 1 )	( 2 )
49.	Medical technologist or medical technician	( 1 )	jobmtomt ( 2 )	( 3 )	mt1mtomt ( 1 )	( 2 )
50.	Social worker/mental health worker	( 1 )	jobswmhw ( 2 )	( 3 )	mt1swmhw ( 1 )	( 2 )
51.	Physician	( 1 )	jobphys ( 2 )	( 3 )	mt1phys ( 1 )	( 2 )
52.	Dentist, dental product maker, or dental technician	( 1 )	jobddpm ( 2 )	( 3 )	mt1ddpm ( 1 )	( 2 )
53.	Respiratory therapies	( 1 )	jobrt ( 2 )	( 3 )	mt1rt ( 1 )	( 2 )
54.	A motor vehicle operator (truck, bus, car driver)	( 1 )	jobamvo ( 2 )	( 3 )	mt1amvo ( 1 )	( 2 )
55.	In plant nursery or as a florist	( 1 )	jobipnof ( 2 )	( 3 )	mt1ipnof ( 1 )	( 2 )
56.	Plastics manufacturing	( 1 )	jobpm ( 2 )	( 3 )	mt1pm ( 1 )	( 2 )
57.	Working with resins	( 1 )	jobwwr ( 2 )	( 3 )	mt1wwr ( 1 )	( 2 )
58.	Polyurethane foam manufacturing	( 1 )	jobpfm ( 2 )	( 3 )	mt1pfm ( 1 )	( 2 )
59.	Postal worker	( 1 )	jobpw ( 2 )	( 3 )	mt1pw ( 1 )	( 2 )

		<b>A</b>			<b>B</b>	
		<u>Employment</u>			<u>More Than One Year</u>	
		Never	Ended Job Before Reference Period	Current Employment or Ended in the Reference Period	Yes	No
60.	Pottery making or ceramics	( 1 )	<a href="#">jobpmoc</a> ( 2 )	( 3 )	<a href="#">mt1pmoc</a> ( 1 )	( 2 )
61.	Working in a quarry	( 1 )	<a href="#">jobwiaq</a> ( 2 )	( 3 )	<a href="#">mt1wiaq</a> ( 1 )	( 2 )
62.	In a sales occupation	( 1 )	<a href="#">jobiaso</a> ( 2 )	( 3 )	<a href="#">mt1iaso</a> ( 1 )	( 2 )
63.	Sandblasting	( 1 )	<a href="#">jobsb</a> ( 2 )	( 3 )	<a href="#">mt1sb</a> ( 1 )	( 2 )
64.	Smelting in a foundry	( 1 )	<a href="#">jobsiaf</a> ( 2 )	( 3 )	<a href="#">mt1siaf</a> ( 1 )	( 2 )
65.	Stone cutting or polishing	( 1 )	<a href="#">jobscop</a> ( 2 )	( 3 )	<a href="#">mt1scop</a> ( 1 )	( 2 )
66.	Teacher (preschool and kindergarten)	( 1 )	<a href="#">jobtchpk</a> ( 2 )	( 3 )	<a href="#">mt1tchpk</a> ( 1 )	( 2 )
67.	Teacher (elementary 1 through 6)	( 1 )	<a href="#">jobtche</a> ( 2 )	( 3 )	<a href="#">mt1tche</a> ( 1 )	( 2 )
68.	Teacher (middle and secondary)	( 1 )	<a href="#">jobtchms</a> ( 2 )	( 3 )	<a href="#">mt1tchms</a> ( 1 )	( 2 )
69.	Teacher (post-high school educator)	( 1 )	<a href="#">jobtchph</a> ( 2 )	( 3 )	<a href="#">mt1tchph</a> ( 1 )	( 2 )
70.	Tunnel construction	( 1 )	<a href="#">jobtc</a> ( 2 )	( 3 )	<a href="#">mt1tc</a> ( 1 )	( 2 )
71.	Veterinarian/veterinary work	( 1 )	<a href="#">jobvvw</a> ( 2 )	( 3 )	<a href="#">mt1vvw</a> ( 1 )	( 2 )
72.	Waitress or waiter	( 1 )	<a href="#">jobwow</a> ( 2 )	( 3 )	<a href="#">mt1wow</a> ( 1 )	( 2 )
73.	Food preparation	( 1 )	<a href="#">jobfp</a> ( 2 )	( 3 )	<a href="#">mt1fp</a> ( 1 )	( 2 )
74.	Welding	( 1 )	<a href="#">jobweld</a> ( 2 )	( 3 )	<a href="#">mt1weld</a> ( 1 )	( 2 )
75.	Rubber factory worker	( 1 )	<a href="#">jobrfw</a> ( 2 )	( 3 )	<a href="#">mt1rfw</a> ( 1 )	( 2 )
76.	In a pet store	( 1 )	<a href="#">jobiaps</a> ( 2 )	( 3 )	<a href="#">mt1iaps</a> ( 1 )	( 2 )
77.	In an occupation with radiation exposure	( 1 )	<a href="#">jobiowre</a> ( 2 )	( 3 )	<a href="#">mt1iowre</a> ( 1 )	( 2 )

TELL RESPONDENT "THIS IS THE END OF THE LIST."

78. In your office or indoor working environment, other than in the workplace bathrooms have you ever noticed any of the following conditions? **IF YES, DETERMINE IF IN REFERENCE PERIOD AND IF DURATION IS MORE THAN ONE YEAR.**

		A			B	
		<u>Exposure</u>			<u>More Than One Year</u>	
		Never	Ended Before Reference Period	Current or Ended in the Reference Period	Yes	No
			<b>envirhh</b>		<b>mtohh</b>	
(1)	High humidity	( 1 )	( 2 )	( 3 )	( 1 )	( 2 )
(2)	Water damage to furnishings, ceiling, tiles, or carpets	( 1 )	<b>envirwd</b>	( 3 )	<b>mtowd</b>	( 2 )
(3)	Obvious mold or mildew not in a bathroom	( 1 )	<b>enviromm</b>	( 3 )	<b>mtoomm</b>	( 2 )
(4)	Musty or moldy odors	( 1 )	<b>envirmmo</b>	( 3 )	<b>mtommo</b>	( 2 )

79. Were you ever around any animals in your work? **enviraaa** **mtosaaa**
- ( 1 ) ( 2 ) ( 3 ) ( 1 ) ( 2 )

**IF YES, DETERMINE IF IN REFERENCE PERIOD AND IF DURATION IS MORE THAN ONE YEAR, AND ANSWER ITEM C.**  
**IF NO, GO TO QUESTION 80.**

C. What types of animals?

- (1) \_\_\_\_\_
- (2) \_\_\_\_\_
- (3) \_\_\_\_\_
- (4) \_\_\_\_\_

## ACTIVITIES NOT RELATED TO WORK

Now I want to ask about some activities that you may have been involved in which were not related to your work, either at home or elsewhere. Once again, I am going to read slowly from a long list of activities. For each activity, please tell me whether you ever did the activity, whether you did it between [reference period start date] and [reference period end date] and whether you continued the activity for more or less than one year.

**These are not questions about cumulative time spent in the activity; rather they are questions about the time intervals over which the case/control participated in the activity. If an activity is seasonal, count one season as a year (e.g., swimming for the summer is one year).**

		A			B	
		<u>Exposure</u>			<u>More Than One Year</u>	
		Never	Ended Before Reference Period	Current or Ended in the Reference Period	Yes	No
80.	Auto or truck repair	( 1 )	<a href="#">actaotr</a> ( 2 )	( 3 )	<a href="#">mtoaotr</a> ( 1 )	( 2 )
81.	Raising or tending birds	( 1 )	<a href="#">actrotb</a> ( 2 )	( 3 )	<a href="#">mtorotb</a> ( 1 )	( 2 )
82.	Carpentry or woodworking	( 1 )	<a href="#">actcoww</a> ( 2 )	( 3 )	<a href="#">mtocoww</a> ( 1 )	( 2 )
83.	Child care or baby sitting your own children	( 1 )	<a href="#">actccobs</a> ( 2 )	( 3 )	<a href="#">mtoccobs</a> ( 1 )	( 2 )
84.	Regular home cleaning	( 1 )	<a href="#">actrhc</a> ( 2 )	( 3 )	<a href="#">mtorhc</a> ( 1 )	( 2 )
85.	Exercising in a health club	( 1 )	<a href="#">acteiahc</a> ( 2 )	( 3 )	<a href="#">mtoeiahc</a> ( 1 )	( 2 )
86.	Farming	( 1 )	<a href="#">actfarm</a> ( 2 )	( 3 )	<a href="#">mtofarm</a> ( 1 )	( 2 )
87.	Ranching	( 1 )	<a href="#">actranch</a> ( 2 )	( 3 )	<a href="#">mtoranch</a> ( 1 )	( 2 )
88.	Firefighting	( 1 )	<a href="#">actff</a> ( 2 )	( 3 )	<a href="#">mtoff</a> ( 1 )	( 2 )
89.	Gardening	( 1 )	<a href="#">actgardn</a> ( 2 )	( 3 )	<a href="#">mtogardn</a> ( 1 )	( 2 )
90.	Hairdressing or cosmetology	( 1 )	<a href="#">acthoc</a> ( 2 )	( 3 )	<a href="#">mtohoc</a> ( 1 )	( 2 )
91.	Hospital or health care volunteer	( 1 )	<a href="#">acthohcv</a> ( 2 )	( 3 )	<a href="#">mtohohcv</a> ( 1 )	( 2 )
92.	Jewelry making	( 1 )	<a href="#">actjm</a> ( 2 )	( 3 )	<a href="#">mtojm</a> ( 1 )	( 2 )
93.	Leather working	( 1 )	<a href="#">actlw</a> ( 2 )	( 3 )	<a href="#">mtolw</a> ( 1 )	( 2 )
94.	U.S. Army Reserves / National Guard	( 1 )	<a href="#">actusar</a> ( 2 )	( 3 )	<a href="#">mtousar</a> ( 1 )	( 2 )
95.	U.S. Navy Reserves	( 1 )	<a href="#">actusnr</a> ( 2 )	( 3 )	<a href="#">mtousnr</a> ( 1 )	( 2 )

		<b>A</b>			<b>B</b>	
		<u>Exposure</u>			<u>More Than One Year</u>	
		Never	Ended Before Reference Period	Current or Ended in the Reference Period	Yes	No
96.	U.S. Air Force Reserves / National Guard	( 1 )	<b>actusafr</b> ( 2 )	( 3 )	<b>mtousafr</b> ( 1 )	( 2 )
97.	U.S. Marines Reserves	( 1 )	<b>actusmr</b> ( 2 )	( 3 )	<b>mtousmr</b> ( 1 )	( 2 )
98.	Other branch of armed forces reserves	( 1 )	<b>actobafr</b> ( 2 )	( 3 )	<b>mtobafr</b> ( 1 )	( 2 )
99.	Pottery making (ceramics)	( 1 )	<b>actpm</b> ( 2 )	( 3 )	<b>mtopm</b> ( 1 )	( 2 )
100.	Painting pictures	( 1 )	<b>actpp</b> ( 2 )	( 3 )	<b>mtopp</b> ( 1 )	( 2 )
101.	Printing	( 1 )	<b>actprint</b> ( 2 )	( 3 )	<b>mtoprint</b> ( 1 )	( 2 )
102.	Spray painting automobiles or other vehicles	( 1 )	<b>actspaov</b> ( 2 )	( 3 )	<b>mtospaov</b> ( 1 )	( 2 )
103.	Spinning or weaving	( 1 )	<b>actsow</b> ( 2 )	( 3 )	<b>mtosow</b> ( 1 )	( 2 )
104.	Stone cutting or polishing	( 1 )	<b>actscop</b> ( 2 )	( 3 )	<b>mtoscop</b> ( 1 )	( 2 )
105.	Swimming in an indoor pool	( 1 )	<b>actsiaip</b> ( 2 )	( 3 )	<b>mtosiaip</b> ( 1 )	( 2 )
106.	Using a hot tub or whirlpool	( 1 )	<b>actuhtow</b> ( 2 )	( 3 )	<b>mtouhtow</b> ( 1 )	( 2 )
107.	Using a sauna	( 1 )	<b>actuas</b> ( 2 )	( 3 )	<b>mtouas</b> ( 1 )	( 2 )
108.	Welding	( 1 )	<b>actweid</b> ( 2 )	( 3 )	<b>mtoweid</b> ( 1 )	( 2 )
109.	Other exposure	( 1 )	<b>actoe1</b> ( 2 )	( 3 )	<b>mtoe1</b> ( 1 )	( 2 )
Specify: _____						
110.	Other exposure	( 1 )	<b>actoe2</b> ( 2 )	( 3 )	<b>mtoe2</b> ( 1 )	( 2 )
Specify: _____						



111. **INTERVIEWER:**

A. **SIGNATURE:**

\_\_\_\_\_

B. **ACCESS STAFF NO.:**

\_\_\_\_ - \_\_\_\_ - \_\_\_\_

112. **RESEARCH COORDINATOR:**

A. **SIGNATURE:**

\_\_\_\_\_

B. **ACCESS STAFF NO.:**

\_\_\_\_ - \_\_\_\_ - \_\_\_\_

113. **DATE FORM COMPLETED:**

\_\_\_\_ - \_\_\_\_ - \_\_\_\_  
Month Day Year

FORM 12<sup>†</sup>  
Occupational and Recreational Questionnaire

<u>ITEM</u>	<u>NAME</u>	<u>TYPE (LENGTH)</u>	<u>CODES OR UNITS</u>
	REV	I (1)	Form revision
	NEWID	F (5.1)	Patient ID
3	UNEMPLOY	I (1)	Unemp/disabled with no exp. X=Censored
4a	JOBACM	I (1)	Job in aircraft manufacturing 1=Ever 2=Never
4b	MT1ACM	I (1)	> 1 yr in aircraft man. 1=Yes 2=No
5a	JOBUSA	I (1)	Job in US Army 1=Ever 2=Never
5b	MT1USA	I (1)	> 1 yr US Army 1=Yes 2=No
6a	JOBUSN	I (1)	Job in US Navy X=Censored
6b	MT1USN	I (1)	> 1 yr US Navy X=Censored
7a	JOBUSAF	I (1)	Job in US Air Force X=Censored
7b	MT1USAF	I (1)	> 1 yr US Air Force X=Censored
8a	JOBUSM	I (1)	Job in US Marines X=Censored
8b	MT1USM	I (1)	> 1 yr US Marines X=Censored
9a	JOBBAF	I (1)	Job in other armed forces X=Censored
9b	MT1BAF	I (1)	> 1 yr other armed forces X=Censored
10a	JOBNW	I (1)	Job in nuclear work 1=Ever 2=Never
10b	MT1NW	I (1)	> 1 yr nuclear work 1=Yes 2=No
11a	JOBALW	I (1)	Job in animal lab 1=Ever 2=Never
11b	MT1ALW	I (1)	> 1 yr animal lab 1=Yes 2=No

<sup>†</sup> See Form 10 for Date of Interview and Reference Dates

FORM 12  
Occupational and Recreational Questionnaire  
(continued)

<u>ITEM</u>	<u>NAME</u>	<u>TYPE (LENGTH)</u>	<u>CODES OR UNITS</u>
12a	JOBAOF	I (1)	Job in assembling 1=Ever 2=Never
12b	MT1AOF	I (1)	> 1 yr assembling 1=Yes 2=No
13a	JOBAOTR	I (1)	Job in auto/truck repair 1=Ever 2=Never
13b	MT1AOTR	I (1)	> 1 yr auto/truck repair 1=Yes 2=No
14a	JOBAM	I (1)	Job in auto manufacturing 1=Ever 2=Never
14b	MT1AM	I (1)	> 1 yr auto manufacturing 1=Yes 2=No
15a	JOB BT	I (1)	Job in bank telling 1=Ever 2=Never
15b	MT1BT	I (1)	> 1 yr bank telling 1=Yes 2=No
16a	JOBRB	I (1)	Job in raising birds X=Censored
16b	MT1RB	I (1)	> 1 yr raising birds X=Censored
17a	JOBCOWW	I (1)	Job in carpentry 1=Ever 2=Never
17b	MT1COWW	I (1)	> 1 yr carpentry 1=Yes 2=No
18a	JOBCASH	I (1)	Job as cashier 1=Ever 2=Never
18b	MT1CASH	I (1)	> 1 yr cashier 1=Yes 2=No
19a	JOBCCW	I (1)	Job in child care work 1=Ever 2=Never
19b	MT1CCW	I (1)	> 1 yr child care work 1=Yes 2=No
20a	JOBCPH	I (1)	Job as domestic worker 1=Ever 2=Never

FORM 12  
Occupational and Recreational Questionnaire  
(continued)

<u>ITEM</u>	<u>NAME</u>	<u>TYPE (LENGTH)</u>	<u>CODES OR UNITS</u>
20b	MT1CPH	I (1)	> 1 yr domestic worker 1=Yes 2=No
21a	JOB COOW	I (1)	Job in clerical/office work 1=Ever 2=Never
21b	MT1COOW	I (1)	> 1 yr clerical/office work 1=Yes 2=No
22a	JOB CONST	I (1)	Job in construction 1=Ever 2=Never
22b	MT1CONST	I (1)	> 1 yr construction 1=Yes 2=No
23a	JOB IACF	I (1)	Job in cork factory X=Censored
23b	MT1IACF	I (1)	> 1 yr cork factory X=Censored
24a	JOB DOB	I (1)	Job in bldg demolition 1=Ever 2=Never
24b	MT1DOB	I (1)	> 1 yr bldg demolition 1=Yes 2=No
25a	JOB CG	I (1)	Job in cotton ginning X=Censored
25b	MT1CG	I (1)	> 1 yr cotton ginning X=Censored
26a	JOB TMOGI	I (1)	Job in textiles/garments 1=Ever 2=Never
26b	MT1TMOGI	I (1)	> 1 yr textiles/garments 1=Yes 2=No
27a	JOB DPTCP	I (1)	Job as DP, typist, programmer 1=Ever 2=Never
27b	MT1DPTCP	I (1)	> 1 yr DP, typist, programmer 1=Yes 2=No
28a	JOB EOEW	I (1)	Job in electric/electronics 1=Ever 2=Never
28b	MT1EOEW	I (1)	> 1 yr electric/electronics 1=Yes 2=No

FORM 12  
Occupational and Recreational Questionnaire  
(continued)

<u>ITEM</u>	<u>NAME</u>	<u>TYPE (LENGTH)</u>	<u>CODES OR UNITS</u>
29a	JOBFRFL	I (1)	Job in farming/ranching 1=Ever 2=Never
29b	MT1FRFL	I (1)	> 1 yr farming/ranching 1=Yes 2=No
30a	JOBFF	I (1)	Job in fire fighting X=Censored
30b	MT1FF	I (1)	> 1 yr fire fighting X=Censored
31a	JOBFA	I (1)	Job as flight attendant X=Censored
31b	MT1FA	I (1)	> 1 yr flight attendant X=Censored
32a	JOBFW	I (1)	Job in forestry work X=Censored
32b	MT1FW	I (1)	> 1 yr forestry work X=Censored
33a	JOBIAS	I (1)	Job in a sawmill X=Censored
33b	MT1IAS	I (1)	> 1 yr in a sawmill X=Censored
34a	JOBIAF	I (1)	Job in a pulpmill X=Censored
34b	MT1IAF	I (1)	> 1 yr in a pulpmill X=Censored
35a	JOBGM	I (1)	Job in glass making X=Censored
35b	MT1GM	I (1)	> 1 yr glass making X=Censored
36a	JOBHOC	I (1)	Job in hairdressing 1=Ever 2=Never
36b	MT1HOC	I (1)	> 1 yr hairdressing 1=Yes 2=No
37a	JOBHP	I (1)	Job in house painting 1=Ever 2=Never

FORM 12  
Occupational and Recreational Questionnaire  
(continued)

<u>ITEM</u>	<u>NAME</u>	<u>TYPE (LENGTH)</u>	<u>CODES OR UNITS</u>
37b	MT1HP	I (1)	> 1 yr house painting 1=Yes 2=No
38a	JOBCP	I (1)	Job in commercial printing X=Censored
38b	MT1CP	I (1)	> 1 yr commercial printing X=Censored
39a	JOBJM	I (1)	Job in jewelry making X=Censored
39b	MT1JM	I (1)	> 1 yr jewelry making X=Censored
40a	JOBLADC	I (1)	Job in laundry/dry cleaning 1=Ever 2=Never
40b	MT1LADC	I (1)	> 1 yr laundry/dry cleaning 1=Yes 2=No
41a	JOBMOAOI	I (1)	Job as machine operator 1=Ever 2=Never
41b	MT1MOAOI	I (1)	> 1 yr machine operator 1=Yes 2=No
42a	JOBMP	I (1)	Job in meat packing X=Censored
42b	MT1MP	I (1)	> 1 yr meat packing X=Censored
43a	JOBMW	I (1)	Job in meat wrapping X=Censored
43b	MT1MW	I (1)	> 1 yr meat wrapping X=Censored
44a	JOBATOM	I (1)	Job in any type of mining X=Censored
44b	MT1ATOM	I (1)	> 1 yr any type of mining X=Censored
45a	JOBIANH	I (1)	Job in nursing home/LTC 1=Ever 2=Never
45b	MT1IANH	I (1)	> 1 yr nursing home/LTC 1=Yes 2=No

FORM 12  
Occupational and Recreational Questionnaire  
(continued)

<u>ITEM</u>	<u>NAME</u>	<u>TYPE (LENGTH)</u>	<u>CODES OR UNITS</u>
46a	JOBNA	I (1)	Job as nurses aide 1=Ever 2=Never
46b	MT1NA	I (1)	> 1 yr nurses aide 1=Yes 2=No
47a	JOBRNLPN	I (1)	Job as RN or LPN 1=Ever 2=Never
47b	MT1NLPN	I (1)	> 1 yr RN or LPN 1=Yes 2=No
48a	JOBHW	I (1)	Job as hospital worker 1=Ever 2=Never
48b	MT1HW	I (1)	> 1 yr hospital worker 1=Yes 2=No
49a	JOBMTOMT	I (1)	Job as medical technologist 1=Ever 2=Never
49b	MT1MTOMT	I (1)	> 1 yr medical technologist 1=Yes 2=No
50a	JOBSWMHW	I (1)	Job as social/MH worker 1=Ever 2=Never
50b	MT1SWMHW	I (1)	> 1 yr social/MH worker 1=Yes 2=No
51a	JOBPHYS	I (1)	Job as physician X=Censored
51b	MT1PHYS	I (1)	> 1 yr physician X=Censored
52a	JOBDDPM	I (1)	Job in dental work X=Censored
52b	MT1DDPM	I (1)	> 1 yr dental work X=Censored
53a	JOBRT	I (1)	Job in respiratory therapies X=Censored
53b	MT1RT	I (1)	> 1 yr respiratory therapies X=Censored
54a	JOBAMVO	I (1)	Job as motor vehicle operator 1=Ever 2=Never

FORM 12  
Occupational and Recreational Questionnaire  
(continued)

<u>ITEM</u>	<u>NAME</u>	<u>TYPE (LENGTH)</u>	<u>CODES OR UNITS</u>
54b	MT1AMVO	I (1)	> 1 yr motor vehicle operator 1=Yes 2=No
55a	JOBIPNOF	I (1)	Job as florist or in nursery 1=Ever 2=Never
55b	MT1IPNOF	I (1)	> 1 yr florist or in nursery 1=Yes 2=No
56a	JOBPM	I (1)	Job in plastics manufacturing 1=Ever 2=Never
56b	MT1PM	I (1)	> 1 yr plastics manufacturing 1=Yes 2=No
57a	JOBWWR	I (1)	Job working with resins 1=Ever 2=Never
57b	MT1WWR	I (1)	> 1 yr working with resins 1=Yes 2=No
58a	JOBPFM	I (1)	Job in polyurethane foam manufacturing X=Censored
58b	MT1PFM	I (1)	> 1 yr polyurethane foam manufacturing X=Censored
59a	JOBPW	I (1)	Job as postal worker 1=Ever 2=Never
59b	MT1PW	I (1)	> 1 yr postal worker 1=Yes 2=No
60a	JOBPMOC	I (1)	Job in pottery making/ceramics X=Censored
60b	MT1PMOC	I (1)	> 1 yr pottery making/ceramics X=Censored
61a	JOBWIAQ	I (1)	Job working in a quarry X=Censored
61b	MT1WIAQ	I (1)	> 1 yr working in a quarry X=Censored
62a	JOBIASO	I (1)	Job in sales 1=Ever 2=Never
62b	MT1IASO	I (1)	> 1 yr sales 1=Yes 2=No



FORM 12  
Occupational and Recreational Questionnaire  
(continued)

<u>ITEM</u>	<u>NAME</u>	<u>TYPE (LENGTH)</u>	<u>CODES OR UNITS</u>
63a	JOB SB	I (1)	Job in sandblasting X=Censored
63b	MT1 SB	I (1)	> 1 yr sandblasting X=Censored
64a	JOB SIAF	I (1)	Job smelting in a foundry X=Censored
64b	MT1 SIAF	I (1)	> 1 yr smelting in a foundry X=Censored
65a	JOB SCOP	I (1)	Job stone cutting/polishing X=Censored
65b	MT1 SCOP	I (1)	> 1 yr stone cutting/polishing X=Censored
66a	JOB TCHPK	I (1)	Job as teacher, pre-K & K 1=Ever 2=Never
66b	MT1 TCHPK	I (1)	> 1 yr teacher, pre-K & K 1=Yes 2=No
67a	JOB TCHE	I (1)	Job as teacher, Gr 1 - 6 1=Ever 2=Never
67b	MT1 TCHE	I (1)	> 1 yr teacher, Gr 1 - 6 1=Yes 2=No
68a	JOB TCHMS	I (1)	Job as teacher, middle & high (secondary) 1=Ever 2=Never
68b	MT1 TCHMS	I (1)	> 1 yr teacher, middle & high (secondary) 1=Yes 2=No
69a	JOB TCHPH	I (1)	Job as teacher, post high 1=Ever 2=Never
69b	MT1 TCHPH	I (1)	> 1 yr teacher, post high 1=Yes 2=No
70a	JOB TC	I (1)	Job in tunnel construction X=Censored
70b	MT1 TC	I (1)	> 1 yr tunnel construction X=Censored
71a	JOB VVW	I (1)	Job in veterinary work X=Censored

FORM 12  
Occupational and Recreational Questionnaire  
(continued)

<u>ITEM</u>	<u>NAME</u>	<u>TYPE (LENGTH)</u>	<u>CODES OR UNITS</u>
71b	MT1VWV	I (1)	> 1 yr veterinary work X=Censored
72a	JOBWOW	I (1)	Job as waiter/waitress 1=Ever 2=Never
72b	MT1WOW	I (1)	> 1 yr waiter/waitress 1=Yes 2=No
73a	JOBFP	I (1)	Job in food preparation 1=Ever 2=Never
73b	MT1FP	I (1)	> 1 yr food preparation 1=Yes 2=No
74a	JOBWELD	I (1)	Job in welding 1=Ever 2=Never
74b	MT1WELD	I (1)	> 1 yr welding 1=Yes 2=No
75a	JOBRFW	I (1)	Job in rubber factory X=Censored
75b	MT1RFW	I (1)	> 1 yr rubber factory X=Censored
76a	JOBIAPS	I (1)	Job in pet store X=Censored
76b	MT1IAPS	I (1)	> 1 yr pet store X=Censored
77a	JOBLOWRE	I (1)	Job with radiation exposure 1=Ever 2=Never
77b	MT1LOWRE	I (1)	> 1 yr radiation exposure 1=Yes 2=No
78a1	ENVIRHH	I (1)	Exposure to high humidity 1=Ever 2=Never
78b1	MTOHH	I (1)	> 1 yr high humidity 1=Yes 2=No
78a2	ENVIRWD	I (1)	Exposure to water damage 1=Ever 2=Never
78b2	MTOWD	I (1)	> 1 yr water damage 1=Yes 2=No

FORM 12  
Occupational and Recreational Questionnaire  
(continued)

<u>ITEM</u>	<u>NAME</u>	<u>TYPE (LENGTH)</u>	<u>CODES OR UNITS</u>
78a3	ENVIROMM	I (1)	Exposure to mold/mildew 1=Ever 2=Never
78b3	MTOOMM	I (1)	> 1 yr mold/mildew 1=Yes 2=No
78a4	ENVIRMMO	I (1)	Exposure to musty odors 1=Ever 2=Never
78b4	MTOMMO	I (1)	> 1 yr musty odors 1=Yes 2=No
79a1	ENVIRAAA	I (1)	Exposure to animals at work 1=Ever 2=Never
79b1	MTOAAA	I (1)	> 1 yr animals at work 1=Yes 2=No
80a	ACTAOTR	I (1)	Exposure to auto/truck repair 1=Ever 2=Never
80b	MTOAOTR	I (1)	> 1 yr auto/truck repair 1=Yes 2=No
81a	ACTROTB	I (1)	Exposure to birds 1=Ever 2=Never
81b	MTOROTB	I (1)	> 1 yr birds 1=Yes 2=No
82a	ACTCOWW	I (1)	Exposure to carpentry 1=Ever 2=Never
82b	MTOCOWW	I (1)	> 1 yr carpentry 1=Yes 2=No
83a	ACTCCOBS	I (1)	Exposure to childcare 1=Ever 2=Never
83b	MTOCCOBS	I (1)	> 1 yr childcare 1=Yes 2=No
84a	ACTRHC	I (1)	Exposure to home cleaning 1=Ever 2=Never
84b	MTORHC	I (1)	> 1 yr home cleaning 1=Yes 2=No
85a	ACTEIAHC	I (1)	Exposure to health clubs 1=Ever 2=Never

FORM 12  
Occupational and Recreational Questionnaire  
(continued)

<u>ITEM</u>	<u>NAME</u>	<u>TYPE (LENGTH)</u>	<u>CODES OR UNITS</u>
85b	MTOEIAHC	I (1)	> 1 yr health clubs 1=Yes 2=No
86a	ACTFARM	I (1)	Exposure to farming 1=Ever 2=Never
86b	MTOFARM	I (1)	> 1 yr farming 1=Yes 2=No
87a	ACTRANCH	I (1)	Exposure to ranching X=Censored
87b	MTORANCH	I (1)	> 1 yr ranching X=Censored
88a	ACTFF	I (1)	Exposure to firefighting X=Censored
88b	MTOFF	I (1)	> 1 yr firefighting X=Censored
89a	ACTGARDN	I (1)	Exposure to gardening 1=Ever 2=Never
89b	MTOGARDN	I (1)	> 1 yr gardening 1=Yes 2=No
90a	ACTHOC	I (1)	Exposure to hairdressing 1=Ever 2=Never
90b	MTOHOC	I (1)	> 1 yr hairdressing 1=Yes 2=No
91a	ACTHOHCV	I (1)	Exposure as hosp volunteer 1=Ever 2=Never
91b	MTOHOHCV	I (1)	> 1 yr hospital volunteer 1=Yes 2=No
92a	ACTJM	I (1)	Exposure to jewelry making X=Censored
92b	MTOJM	I (1)	> 1 yr jewelry making X=Censored
93a	ACTLW	I (1)	Exposure to leather working X=Censored
93b	MTOLW	I (1)	> 1 yr leather working X=Censored

FORM 12  
Occupational and Recreational Questionnaire  
(continued)

<u>ITEM</u>	<u>NAME</u>	<u>TYPE (LENGTH)</u>	<u>CODES OR UNITS</u>
94a	ACTUSAR	I (1)	Exposure to Army reserves/NG X=Censored
94b	MTOUSAR	I (1)	> 1 yr Army reserves/NG X=Censored
95a	ACTUSNR	I (1)	Exposure to Navy reserves X=Censored
95b	MTOUSNR	I (1)	> 1 yr Navy reserves X=Censored
96a	ACTUSAFR	I (1)	Exposure to AF reserves X=Censored
96b	MTOUSAFR	I (1)	> 1 yr Air Force reserves X=Censored
97a	ACTUSMR	I (1)	Exposure to Marine reserves X=Censored
97b	MTOUSMR	I (1)	> 1 yr Marine reserves X=Censored
98a	ACTOBAFR	I (1)	Exposure to other reserves X=Censored
98b	MTOOBAFR	I (1)	> 1 yr other reserves X=Censored
99a	ACTPM	I (1)	Exposure to pottery making 1=Ever 2=Never
99b	MTOPM	I (1)	> 1 yr pottery making 1=Yes 2=No
100a	ACTPP	I (1)	Exposure to painting pictures 1=Ever 2=Never
100b	MTOPP	I (1)	> 1 yr painting pictures 1=Yes 2=No
101a	ACTPRINT	I (1)	Exposure to printing 1=Ever 2=Never
101b	MTOPRINT	I (1)	> 1 yr printing 1=Yes 2=No
102a	ACTSPAOV	I (1)	Exposure to spray painting autos 1=Ever 2=Never

FORM 12  
Occupational and Recreational Questionnaire  
(continued)

<u>ITEM</u>	<u>NAME</u>	<u>TYPE (LENGTH)</u>	<u>CODES OR UNITS</u>
102b	MTOSPAOV	I (1)	> 1 yr spray painting autos 1=Yes 2=No
103a	ACTSOW	I (1)	Exposure to spinning/weaving X=Censored
103b	MTOSOW	I (1)	> 1 yr spinning/weaving X=Censored
104a	ACTSCOP	I (1)	Exposure to stone cutting X=Censored
104b	MTOSOP	I (1)	> 1 yr stone cutting X=Censored
105a	ACTSIAIP	I (1)	Exposure to indoor pools 1=Ever 2=Never
105b	MTOSIAIP	I (1)	> 1 yr indoor pools 1=Yes 2=No
106a	ACTUHTOW	I (1)	Exposure to hot tubs 1=Ever 2=Never
106b	MTOUHTOW	I (1)	> 1 yr hot tubs 1=Yes 2=No
107a	ACTUAS	I (1)	Exposure to sauna 1=Ever 2=Never
107b	MTOUAS	I (1)	> 1 yr sauna 1=Yes 2=No
108a	ACTWEID	I (1)	Exposure to welding 1=Ever 2=Never
108b	MTOWEID	I (1)	> 1 yr welding 1=Yes 2=No
109a	ACTOE1	I (1)	Exposure to other 1 1=Ever 2=Never
109b	MTOOE1	I (1)	> 1 yr other 1 1=Yes 2=No
110a	ACTOE2	I (1)	Exposure to other 2 1=Ever 2=Never
110b	MTOOE2	I (1)	> 1 yr other 2 1=Yes 2=No